

We claim:

1. (Currently Amended) An integrated compact, self contained surveillance unit, said unit comprising;
  - (a) housing means;
  - (b) optics means for collecting radiation and generating images, said optics means attached to said housing means;
  - (c) means, attached to said housing, for determining the position of said unit;
  - (d) means, including a multi-mode patch antenna, attached to said housing means, for sending and receiving communications from said unit;
  - (e) computer means attached to said housing means, said computer means connected to said optics means, said position determination means, and said communication means; and
  - (f) image output means connected to said housing means and connected to said computer means for receiving images from said computer means.
2. (Previously Amended ) The surveillance unit of claim 1, wherein said optics means includes a sensor selected from the group including visible sensors, UV sensors, short wavelength infrared sensors and long wavelength infrared sensors.
3. (Previously Amended ) The surveillance unit of claim 2, wherein said optics means also includes uncooled focal plane array.
4. (Original) The surveillance unit of claim 1, wherein said position determination means includes GPS position determination means.
5. (Original) The surveillance unit of claim 4, further means for determining the motion of said unit.

6. (Original) The surveillance unit of claim 5, wherein said motion determination means is an accelerometer.
7. (Original) The surveillance unit of claim 6, further including means for determining direction.
8. (Original) The surveillance unit of claim 7, wherein said GPS position determination means is coupled to said accelerometer, said means for determining direction, said computer means and said communications means.
9. (Original) The surveillance unit of claim 4, wherein said position determination means also includes GLONASS position determination means, said GLONASS position determination means coupled to both said computer means and said communication means.
10. (Cancelled )
11. (Cancelled )
12. (Currently Amended ) The surveillance unit of claim 1, wherein said communication means includes RF communication means.
13. (Original) The surveillance unit of claim 1, wherein said computer means includes digital signal processing means, field programmable gate array means, and memory means.
14. (Currently Amended) The surveillance unit of claim 1, further including temperature sensing means connected to said computer means.
15. (Original) The surveillance unit of claim 1, further including power supply means.
16. (Original) The surveillance unit of claim 15, wherein said power supply means is a battery.

17. (Previously Amended) The surveillance unit of claim 1, wherein said image output means includes a heads up display.

18. (Original) The surveillance unit of claim 1, further including means for manipulating data by the user of said surveillance unit.

19. (Previously Amended). The surveillance unit of claim 18, wherein said data manipulating means is a touchpad.